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JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1984
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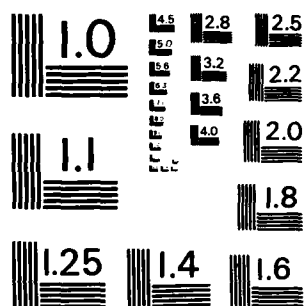
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DEPARTMENT OF THE AIR FORCE

JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1984
SUBMITTED TO CONGRESS JANUARY 1983



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Other Procurement, Air Force

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DEPARTMENT OF THE AIR FORCE

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OTHER PROCUREMENT, AIR FORCE

For procurement and modification of equipment (including ground guidance and electronic control equipment, and ground electronic and communication equipment), and supplies, materials, and spare parts therefor, not otherwise provided for; the purchase of not to exceed ten vehicles required for the physical security of personnel notwithstanding price limitations applicable to passenger carrying vehicles but not to exceed \$125,000 per vehicle and the purchase of not to exceed one thousand two hundred and nine passenger motor vehicles of which seven hundred and thirteen shall be for replacement only and expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land without regard to Section 9774 of Title 10, United States Code, for the foregoing purposes, and such lands and interests therein may be acquired, and construction prosecuted thereon prior to the approval of Title as required by Section 355, Revised Statutes, as amended: reserve plant and Government and contractor-owned equipment layaway \$7,626,302 to remain available for obligation until September 30, 1986. (5 U.S.C. 3109; 10 U.S.C. 2110, 2353, 2386, 8012, 9505, 9531-32, 31 U.S.C. 1301, 1343-44 50 U.S.C. 491-94 Department of Defense Appropriation Act, 1983; additional authorization legislation to be proposed.)

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Carmack

Other Procurement, Air Force

31 Jan 83

Program and Financing (in thousands of dollars)

Summary

Identification code	57-3080-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
1.	Munitions and associated equipment	1,061,979	780,510	1,191,918	995,474	712,511	1,017,831
2.	Vehicular equipment	333,510	345,876	333,610	226,452	348,040	346,411
3.	Electronics and telecommunications equipment	1,091,392	1,327,415	1,892,144	948,902	1,277,759	1,672,365
4.	Other base maintenance and support equipment	2,894,289	3,086,139	4,208,620	2,567,425	3,078,209	4,111,174
Total direct		5,381,170	5,540,940	7,626,302	4,738,313	5,414,376	7,127,841
Reimbursable program		226,270	220,800	233,800	170,926	257,115	190,523
10.0001	Total	5,607,440	5,761,740	7,860,102	4,929,239	5,671,721	7,323,604
Financing:							
Offsetting collections from:							
11.0001	Federal funds	-195,587	-165,535	-196,743	-194,898	-203,360	196,745
13.0001	Trust funds	-22,497	-25,500	-26,700	-30,097	-21,910	-25,700
14.0001	Non-federal sources	-8,188	-9,735	-10,355	-7,461	-11,263	-10,355
17.0001	Recoveries of prior year obligations(-)				-11,610		
Unobligated balance available, start of year:							
21.4001	For completion of prior year budget plans				-707,614	-1,370,003	-1,475,767
21.4002	Available to finance new budget plans	-800	-4,963		-800	-4,963	
21.4003	Reprogramming from or to prior year budget plan	-33,627					
22.4001	Unobligated balance transferred from other accounts(-)	-800	-4,963		-800	-4,963	
23.4001	Unobligated balance transferred to other accounts	1,869	4,963		1,869	4,963	
Unobligated balance available, end of year:							
24.4001	For completion of prior year budget plans				1,370,003	1,475,767	1,803,265
24.4002	Available to finance subsequent year budget plans	4,963			4,963		
25.0001	Unobligated balance lapsing	33,358	4,963		33,358	4,963	
39.0001	Budget authority	5,386,133	5,540,940	7,626,302	5,386,133	5,540,940	7,626,302
Budget authority:							
40.0001	Appropriation	5,385,333	5,563,777	7,626,302	5,385,333	5,563,777	7,626,302
40.0002	Reduction pursuant to P.L. 97-377		-17,800			-17,800	
41.0001	Transferred to other accounts(-)		-10,000			-10,000	
43.0001	Appropriation (adjusted)	5,385,333	5,535,977	7,626,302	5,385,333	5,535,977	7,626,302
50.0001	Reappropriation	800	4,963		800	4,963	
Relation of obligations to outlays:							
71.0001	Obligations incurred, net				4,695,763	5,435,176	7,299,804
72.4001	Obligated balance, start of year				1,786,428	2,601,318	3,057,894
74.4001	Obligated balance, end of year				-2,801,318	-3,257,694	-4,101,298
77.0001	Adjustments in expired accounts				-7,895		
78.0001	Adjustments in unexpired accounts				-11,610		
90.0001	Outlays				3,662,388	4,976,600	6,418,900

AF	TRODDEN	Carmack	Other Procurement, Air Force	31 Jan 83
Object Classification (in thousands of dollars)				Summary
Identification code	57-3020-0-1-051	1982 actual	1983 est.	1984 est.
Direct obligations:				
131.001	Equipment	4,758,313	5,414,576	7,327,681
199.001	Total direct obligations	4,758,313	5,414,576	7,327,681
Reimbursable obligations:				
231.001	Equipment	170,926	257,145	198,923
999.901	Total obligations	4,929,239	5,671,721	7,526,604

AF TRODDEN Carneck Other Procurement, Air Force 31 Jan 63

Program and Financing (in thousands of dollars)

1980 Fiscal year program

Identification code	57-3080-0-1-051	Budget plan (amounts for procurement actions programed)			Obligations		
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.

Program by activities:							
Direct:							
1.	Munitions and associated equipment	.....	.....	.....	5,070	.....	.....
2.	Vehicular equipment	.....	.....	.....	11,591	.....	.....
3.	Electronics and telecommunications equipment	.....	.....	.....	76,500	.....	.....
4.	Other base maintenance and support equipment	.....	.....	.....	22,537	.....	.....
Total direct		.....	.....	.....	115,698	.....	.....
Reimbursable program		.....	.....	.....	3,468	.....	.....
10.0001	Total	.....	.....	.....	119,166	.....	.....

Financing:							
Offsetting collections from:							
11.0001	Adjustment to prior year federal fund orde	.....	.....	.....	-32	.....	.....
13.0001	Adjustment to prior year trust fund orders	.....	.....	.....	-1,192	.....	.....
14.0001	Adjustment to non-federal sources	.....	.....	.....	16	.....	.....
17.0001	Recoveries of prior year obligations(-)	.....	.....	.....	-4,654	.....	.....
Unobligated balance available, start of year:							
21.4001	For completion of prior year budget plans	.....	.....	.....	-146,931	.....	.....
21.4002	Reprogramming from or to prior year budget plan	33,627	.....	.....	.....	.....	.....
23.4001	Unobligated balance transferred to other accounts	1,069	.....	.....	1,069	.....	.....
25.0001	Unobligated balance lapsing	32,558	.....	.....	32,556	.....	.....
		-----	-----	-----	-----	-----	-----
40.0001	Budget authority	.....	.....	.....	.....	.....	.....

AF		TRODDEN		Cernack		Other Procurement, Air Force		31 Jan 83		
Program and Financing (in thousands of dollars)								1981 Fiscal year program		
Identification code		57-3020-0-1-051		Budget plan (amounts for procurement actions programmed)			Obligations			
				1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.	
Program by activities:										
Direct:										
1. Munitions and associated equipment							30,908	28,238		
2. Vehicular equipment							26,730	16,902		
3. Electronics and telecommunications equipment							198,111	136,361		
4. Other base maintenance and support equipment							65,716	40,538		
Total direct							321,465	222,039		
Reimbursable program							15,952	28,925		
10 0001	Total						337,417	250,964		
Financing:										
Offsetting collections from:										
11 0001	Adjustment to prior year federal fund order						721	-17,828		
13 0001	Adjustment to prior year trust fund orders						-6,408	3,581		
14 0001	Adjustment to non-federal sources						689	-1,498		
17 0001	Recoveries of prior year obligations(-)						-6,956			
Unobligated balance available, start of year:										
21 4001	For completion of prior year budget plans						-560,683	-235,219		
21 4002	Available to finance new budget plans			-800			-800			
23 4001	Unobligated balance transferred to other accounts			800			800			
24 4001	Unobligated balance available, end of year						235,219			
40 0001	Budget authority									

AF	TROODEN	Cannack	Other Procurement, Air Force			31 Jan 83	
			Program and Financing (in thousands of dollars)			1992 Fiscal year program	
Identification code 57-3080-0-1-051			Budget plan (amounts for procurement actions programmed)			Obligations	
			1982 actual	1983 est.	1984 est.	1982 actual	1983 est.

Program by activities:							
Direct:							
	1. Munitions and associated equipment		1,061,979			959,496	41,519
	2. Vehicular equipment		332,510			188,131	88,062
	3. Electronics and telecommunications equipment		1,091,392			974,351	218,839
	4. Other base maintenance and support equipment		2,094,285			2,490,172	127,207
	Total direct		5,381,170			4,321,150	616,630
	Reimbursable program		226,270			181,506	74,764
10.0001	Total		5,607,440			4,472,656	443,390
Financing:							
Offsetting collections from:							
11.0001	Federal funds		-195,587			-195,587	
13.0001	Trust funds		-22,497			-22,497	
14.0001	Non-federal sources		-8,186			-8,186	
	Unobligated balance available, start of year:						
21.4001	For completion of prior year budget plans						-1,134,784
21.4002	Available to finance new budget plans			-4,963			-4,963
22.4001	Unobligated balance transferred from other accounts(-)		-800			-800	
23.4001	Unobligated balance transferred to other accounts			4,963			4,963
	Unobligated balance available, end of year:						
24.4001	For completion of prior year budget plans						443,390
24.4002	Available to finance subsequent year budget plans		4,963			4,963	
25.0001	Unobligated balance lapsing		800			800	
39.0001	Budget authority		5,386,133			5,386,133	

Budget authority:							
40.0001	Appropriation		5,385,333			5,385,333	
50.0001	Reappropriation		800			800	

AF T500JEN Carmack Other Procurement, Air Force

31 JAN 63

Program and Financing (in thousands of dollars)

1963 Fiscal year program

Identification code	57-3080-0-1-051	Budget plan (amounts for procurement actions programmed)			Obligations		
		1962 actual	1963 est.	1964 est.	1962 actual	1963 est.	1964 est.
Program by activities:							
Direct:							
1.	Munitions and associated equipment		780,510		642,454	134,679	
2.	Vehicular equipment		346,876		241,075	70,592	
3.	Electronics and telecommunications equipment		1,327,415		922,553	284,475	
4.	Other base maintenance and support equipment		3,086,139		2,769,021	19,693	
Total direct			5,540,940		4,575,907	539,439	
Reimbursable program			220,800		153,456	48,625	
10 0001	Total		5,761,740		4,729,363	568,264	
Financing:							
Offsetting collections from:							
11 0001	Federal funds		-185,535		-185,535		
13 0001	Trust funds		-25,500		-25,500		
14 0001	Non-federal sources		-9,765		-9,765		
21 4001	Unobligated balance available, start of year					-1,032,377	
22 4001	Unobligated balance transferred from other accounts(-)		-4,963		-4,963		
24 4001	Unobligated balance available, end of year				1,032,377	444,113	
25 0001	Unobligated balance lapsing		4,963		4,963		
39 0001	Budget authority		5,540,940		5,540,940		
Budget authority:							
40 0001	Appropriation		5,563,777		5,563,777		
40 0002	Reduction pursuant to P.L. 97-377		-17,800		-17,800		
41 0001	Transferred to other accounts(-)		-10,000		-10,000		
43 0001	Appropriation (adjusted)		5,535,977		5,535,977		
50 0001	Reappropriation		4,963		4,963		

AF	TRODDEN	Carneck	Other Procurement, Air Force			31 Jan 83	
Program and Financing (in thousands of dollars)						1984 Fiscal year program	
Identification code		57-3080-0-1-051		Budget plan (amounts for procurement actions programed)		Obligations	
		1982 actual	1983 est.	1984 est.	1982 actual	1983 est.	1984 est.
Program by activities:							
Direct:							
	1. Munitions and associated equipment			1,191,918			922,488
	2. Vehicular equipment			333,610			218,502
	3. Electronics and telecommunications equipment			1,892,144			1,349,588
	4. Other base maintenance and support equipment			4,208,630			454,274
	Total direct			7,626,302			4,852
	Reimbursable program			233,800			150,096
10.0001	Total			7,860,102			6,494,950
Financing:							
Offsetting collections from:							
11.0001	Federal funds			-196,745			-196,745
13.0001	Trust funds			-26,700			-26,700
14.0001	Non-federal sources			-10,355			-10,355
24.4001	Unobligated balance available, end of year						1,365,152
40.0001	Budget authority			7,626,302			7,626,302

(In Thousands of Dollars)

Direct Program Requirements - FY 1985 -	\$1,996,780
Direct Program Requirements - FY 1984 -	1,191,918
Direct Program Requirements - FY 1983 -	780,510
Direct Program Requirements - FY1982 -	1,061,979

ACTIVITY: Munitions and Associated Equipment

PART I - PURPOSE AND SCOPE

Provides munitions for Tactical and Strategic Forces including: cartridges, bombs, chaff and flare cartridge armament training devices, spares and repair parts, and equipment modifications. This materiel is required for: (1) training of aircrews in weapon employment; (2) maintaining pilot-crew combat proficiency; (3) training weapons personnel in maintenance, storage, movement, assembly, and loading of munitions; and (4) the procurement of War Reserve Materiel (WRM) to meet specified inventory objectives.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The FY 1984 Program includes funds for the procurement of: Small Arms Ammunition; 20mm Training Cartridges; 30mm Training/High Explosive Incendiary/Armor Piercing Incendiary Cartridges; 40mm High Explosive Incendiary; BSU-49 Inflatable Retarders; Practice Bombs (BDU-33, MK-82); Guided Bombs and Laser Bomb Guidance Kits; CBU-89 (GATOR) and CBU-87 Combined Effects Munition (CEM); Flares and Fuzes. These funds will provide for procurement of training, base defense and WRM munitions and associated equipment.

The FY 1985 Program requested for authorization will continue procurement of munitions required to meet training and WRM requirements.

The following table summarizes the program requirements for each of the major categories of munitions and associated equipment in the past, current, budget, and authorization year programs.

DIRECT PROGRAM REQUIREMENTS

(In Thousands of Dollars)

	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>
1. Rockets and Launchers	\$ 4,502	\$ 2,286	\$ 3,675	\$ 2,442
2. Cartridges	464,079	227,992	291,752	380,211
3. Bombs	425,769	397,914	757,932	1,388,253
4. Targets	13,873	8,372	33	704
5. Other Items	107,041	101,286	82,767	114,624
6. Fuzes	42,116	37,277	45,297	95,801
7. Other Weapon	4,599	5,383	10,462	14,745
Total Direct Program Requirements	\$1,061,979	\$ 780,510	\$1,191,918	\$1,996,730

Major procurements planned in FY 1984 include:

Rockets and Launchers - Provides for procurement of practice rockets and miscellaneous rocket components to support training requirements. The \$1.4 million increase FY 83 to FY 84 is caused by increased requirements for 2.75" rocket warheads and launchers for aircrew training.

Cartridges - Provides for procurement of 20MM training cartridges used in tactical aircraft guns, 30MM Training/High Explosive Incendiary (HEI) and Armor Piercing Incendiary (API) Cartridges used in the A-10 aircraft, and 40MM cartridges for gunships. The \$63.8 million increase from FY 83 to FY 84 is attributable to increased requirements for 30MM training and 7.62 MM ammunition for training and 40 MM ammunition and chaff and flare cartridges for WRM.

Bombs - Provides for procurement of inflatable retarders and practice bombs as well as increased procurement of the CBU-89 (GATOR) mine, the CBU-87 Combined Effects Munition (CEM) and the BLU-80 chemical bomb. The \$360 million increase from FY 83 to FY 84 is caused by the transition of LLLGB, CBU-87 and CBU-89 from low rate initial production toward full rate production and the introduction of the BLU-80 into low rate initial production.

Targets - Provides for procurement of aerial tow targets for air-to-air gunnery training. The \$8.3 million decrease is caused by the termination of production for the A/A 37U tow target.

Other Items - Provides for procurement of a variety of flares, Spare and Repair Parts, and Modifications. The decrease of \$18.5 million from FY 83 to FY 84 is caused by decreased procurements of the MJU-2, MJU-10, and M206 countermeasures flares and RR-141 chaff packages.

Fuzes - Provides for procurement of the FMU-139 and FMU-81 impact or short delay fuzes for bombs using retarders, and the MK-339 Mechanical Time Fuze for cluster munitions. The increase of \$8 million from FY 83 to FY 84 is for increased low rate production of the FMU-139 fuze to prove-out the automated production line.

Other Weapons - Provides for procurement of grenade launchers, M-60 machine guns, 40mm and GAU-5 machine guns and 9MM handguns. The increase of \$5.1 million from FY 83 to FY 84 is attributable to the deployment of additional security forces for the GLCM and initial procurement of the 9mm handgun.

	(In Thousands of Dollars)
Direct Program Requirement - FY 1985	- \$ 630,059
Direct Program Requirement - FY 1984	- 333,610
Direct Program Requirement - FY 1983	- 346,876
Direct Program Requirement - FY 1982	- 333,510

ACTIVITY: Vehicular Equipment

PART I - PURPOSE AND SCOPE

Provide for all classes and types of mission related vehicles to support operational readiness of the active and reserve forces, including the capability to sustain a wartime surge of forces for the length of the conflict. Examples of vehicle types are forklifts and aircraft loaders, refuelers, aircraft launch and recovery vehicles, and fire fighting equipment.

PART II - JUSTIFICATION OF FUNDS REQUESTED

Provides for the procurement of critical general purpose, special purpose, and base maintenance vehicles and materiel handling equipment. Funds replacement for overage and uneconomical vehicles in order to improve combat readiness.

The FY 1985 Program requested for authorization will continue procurement to replace worn-out vehicles and add new vehicles required to meet mission requirements.

The following table summarizes the program requirement for each of the major vehicle categories in the past, current, budget and authorization year programs.

DIRECT PROGRAM REQUIREMENTS

(In Thousands of Dollars)

	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>
1. Passenger Carrying Vehicles	\$ 17,944	\$ 27,825	\$ 23,211	\$ 35,346
2. Cargo and Utility Vehicles	110,706	127,844	162,050	226,377
3. Special Purpose Vehicles	103,233	86,527	58,765	168,170
4. Firefighting Equipment	11,965	5,162	17,130	38,982
5. Materials Handling Equipment	50,380	36,595	19,889	81,440
6. Base Maintenance Support	39,282	62,923	52,565	79,744
Total Direct Program Requirements	\$ 333,510	\$ 346,876	\$ 333,610	\$ 630,059

Major procurement planned in FY 1984 include:

Passenger Carrying Vehicles - Provides for replacement of busses, ambulances, sedans and station wagons which are overage, worn-out and require excessive repair and maintain. The FY 1984 program is \$4.6 million smaller than FY 1983, and it represents only 7% of the entire vehicle program. The FY 1984 program will replace only those passenger carrying vehicles in the cost critical age and maintenance categories. Also, we are filling authorizations for new weapon systems.

Cargo and Utility Vehicles - This category includes vehicles required to transport air crews, distribute cargo and munitions, tow communications equipment, and expedite delivery of aircraft spare parts to the flightline. The \$34.2 million increase from FY 1983 to FY 1984 is attributable mainly to increased procurement commercial utility cargo vehicles, two and one half ton cargo trucks and first year procurement the High Mobility Vehicle to support tactical and readiness operations at forward and deployed locations.

Special Purpose Vehicles - This category provides for procurement of aircraft tow tractors, flightline equipment tow tractors, telephone installation and maintenance vehicles, water and oil tank trucks. The FY 1984 request is \$27.8 million less than the FY 1983 request due to reduced buys of the R-9 fuel tank trucks and MB-2 aircraft tow tractors. Emphasis was placed on these buys in FY 1983.

Firefighting Equipment - Provides for procurement of equipment required for aircraft crash and rescue operations, and for structural fire protection of base property. The FY 1984 request is \$12.0 million more than FY 1983 primarily due to procurement of the P-4 crash truck.

Materials Handling Equipment - Provides for procurement of 463L system forklifts and cargo loaders to support aerial port and munitions handling/loading operations. The FY 1984 request is \$16.7 million less than FY 1983 due to the decrease in procurement of 10,000 lb forklift trucks and no procurement of the 40K or 25K A/C loader.

Base Maintenance Support Equipment - Provides funding for construction and maintenance equipment required for airfield and grounds. The FY 1984 program is \$10.4 million less than FY 1983 primarily due to procurement of fewer runway/street cleaners and modifications reductions.

(In Thousands of Dollars)

Direct Program Requirements - FY 1985	\$2,988,207
Direct Program Requirements - FY 1984	1,892,144
Direct Program Requirements - FY 1983	1,327,415
Direct Program Requirements - FY 1982	1,091,392

ACTIVITY: Electronics and Telecommunications Equipment

PART I - PURPOSE AND SCOPE

Provides ground electronic and telecommunications systems for command and control of the operational forces, the detection of hostile forces, and Air Force-wide communications.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The funds requested will ensure the continued worldwide command and control of our strategic and tactical forces through procurement of prime mission electronics and telecommunications equipment, modification kits, peculiar test equipment, and essential spare and repair parts. Provision is also made for the supporting structure requirements, such as enroute and terminal navigational and landing guidance; intelligence; and security of Air Force activities, facilities and personnel. Also included are items such as communications and navigation radio equipment, land-line communications equipment, detection and surveillance radars, communications security devices, data processing and display equipment, meteorological equipment, peculiar test equipment used in the operation and maintenance of these systems, and the spares, repair parts, components, and modification kits needed for assurance of effective and continued operation.

The FY 1985 Program will continue procurement of Electronics and Telecommunications Equipment primarily for the same purposes as outlined for FY 1984.

The following table summarizes the program requirements for each of the major categories of equipment in the past, current budget, and authorization year programs:

DIRECT PROGRAM REQUIREMENTS

(In Thousands of Dollars)

	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>
1. Communications Security Equipment	\$95,830	\$119,783	\$86,951	\$120,043
2. Intelligence Programs	20,600	25,632	43,920	84,251
3. Electronics Programs	273,521	261,834	652,853	908,590
4. Special Comm-Electronics Projects	182,633	334,755	416,020	972,110
5. Air Force Communications	159,398	217,616	270,856	342,199
6. DCA Programs	12,975	25,524	42,221	90,633
7. Organization and Base	271,921	266,682	296,276	357,802
8. Modifications	74,514	75,589	83,047	112,579
Total Direct Program Requirements	\$1,091,392	\$1,327,415	\$1,892,144	\$2,988,207

Major procurements planned in FY 1984/1985 include:

Communications Security Equipment - This program is for the procurement and installation of devices for encryption and decryption of communications, to ensure security of voice, teletype and data communications. Included is equipment to secure data networks and tactical radios. The FY 1984 request is approximately \$33 million less than the FY 1983 program because of decreased FY 1984 requirements to support space system programs. The FY 1985 increase of \$33 million is primarily due to increased procurement of devices to secure Air Force record and data communications.

Intelligence Programs - This program provides the equipment for worldwide USAF collection, processing and reporting of intelligence information.

Electronics Programs - This activity includes electronic equipment to augment existing systems and to replace obsolete equipment. Included is equipment for the Defense Support Program, Strategic Air Command Digital Information Network (SACDIN), TR-1 Ground Stations, submarine launched ballistic missile detection (PAVE PAWS), and aircraft detection (Distant Early Warning and OTH-B radars). The FY 1984 program increased by approximately \$391 million to start procurement of SACDIN, OTH-B Radars and the Distant Early Warning (DEW) Radars. The FY 1985 increase of approximately \$255 million is due to the increased procurement of OTH-B and DEW radars and TR-1 Ground Stations.

Special Comm-Electronics Programs - This program procures electronic equipment to satisfy specific mission requirements. Included are Automatic Data Processing Equipment (ADPE), Air Base Defense Systems, Range Improvements, Base Level Data Automation, and the Consolidated Space Operations Center (CSOC). The 1984 program increase of approximately \$80 million over FY 1983 is attributable to increases in the ADPE and CSOC programs. The FY 1985 increase of approximately \$556 million is due to increased requirements in the ADPE, Air Base Defense, CSOC, Base Level Data Automation, and Range Improvement programs and the initiation of procurement for the Precision Location Strike System.

Air Force Communications - These programs are the primary Air Force Communications terminal equipments used to provide common user facilities. Included are satellite communication terminals, equipment used in communications centers, and tactical ground equipment. This activity also contains multiyear procurement with economic order quantity advance procurement for the Communication Nodal Control Element. The FY 1984 program increase of approximately \$53 million over FY 1983 is due to increased procurement of satellite communication and Joint Tactical Communications program equipment. The FY 1985 increase of approximately \$72 million is due primarily to the start of procurement of MILSTAR terminals.

DCA Programs - These programs are in support of the Defense Communications System. Included is the Wide-band Systems Upgrade and Minimum Essential Emergency Communications Net (MEECN). The FY 1984 program increase of approximately \$16 million over the FY 1983 program is due to increased procurements in the Wide-band Systems Upgrade program. The FY 1985 increase of \$49 million is caused by the start of procurement for a groundwave relay communication system in the MEECN program.

Organization and Base - This program procures electronic equipment for individual Air Force units and bases. It includes TV equipment, mobility radios, and spares and repair parts. The FY 1984 program increase of approximately \$30 million and the FY 1985 increase of approximately \$62 million are caused by the requirement for additional spares and repair parts.

Modifications - This program is for the modification of existing electronic equipment to increase reliability, provide a new or increased capability or correct an operational deficiency. The FY 1984 program is funded at about the same level as in FY 1983. Increases in the FY 1985 program of \$30 million results from modification to improve high frequency radios and for additional reliability modifications.

(In Thousands of Dollars)

Direct Program Requirements - FY 1985 - \$4,872,647
Direct Program Requirements - FY 1984 - \$4,208,630
Direct Program Requirements - FY 1983 - 3,086,139
Direct Program Requirements - FY 1982 - 2,894,289

ACTIVITY: Other Base Maintenance and Support Equipment

PART I - PURPOSE AND SCOPE

Provide ground support equipment, not otherwise provided with the major weapons systems, for operational forces and supporting structure. Included are test equipment, personal safety and rescue equipment, medical and dental equipment, and automated materials handling equipment for improving the efficiency of the Air Force supply and maintenance system, base maintenance equipment, electrical equipment, intelligence and reconnaissance equipment, and modifications. All equipment is essential for the day to day support of the forces in being as well as sustain combat operations in wartime and minimum quality of life for Air Force personnel. Equipment procured supports all weapon systems in the Air Force inventory including the Air Force Guard and Reserve.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The funds requested provide for: (1) test equipment for maintenance, calibration, repair and checkout of weapon systems, electronics equipment and communications apparatus; (2) personnel safety items to safeguard the lives of aircrews and other personnel; including chemical/biological defense equipment (3) equipment for repair at base level maintenance shops, mechanization of materials handling systems at Air Force bases depots and passenger and cargo terminals; (4) portable electric generating power equipment and area lighting; (5) base support equipment, base level procurement of equipment with a unit cost of \$3,000 or more for medical, food service, repair, real property maintenance equipment and administrative activities; life rafts, air cargo pallets and nets, aircraft and other arresting systems (6) special support projects, Air Force elements of the atomic energy surveillance program and industrial preparedness products to support production of equipment funded in this appropriation; and (7) modification kits required to assure effective and continuous operation of equipment. Requirements are computed considering world-wide authorizations and available assets, including requirements and those on order.

The FY 1985 Program requested for authorization will continue procurement of the same type equipment requested in FY 1984.

The following table summarizes the program requirements for each of the major categories of equipment in the past, current, budget and authorization year program.

DIRECT PROGRAM REQUIREMENTS

(In Thousands of Dollars)

	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>
1. Test Equipment	\$ 34,575	\$ 53,646	\$ 62,825	\$ 56,794
2. Personal Safety and Rescue Equipment	23,508	23,290	46,374	86,095
3. Depot Plant and Materials Handling Equipment	30,437	28,842	37,603	46,746
4. Electrical Equipment	17,281	23,902	27,092	23,911
5. Base Support Equipment	261,688	257,291	275,715	266,125
6. Special Support	2,526,800	2,699,168	3,759,021	4,392,976
 Total Direct Program Requirements	 \$ 2,894,289	 \$ 3,086,139	 \$ 4,208,630	 \$ 4,872,647

Major procurements planned in FY 1984 include:

Test Equipment - Provides calibration standards and precision measurement equipment for Precision Measurement Equipment Laboratories and the Aerospace Guidance Meteorology Center; oscilloscopes, signal generators, electronic counters, level meter and display; and other electronic test equipment purchases less than \$900,000 each. The \$9.2 million increase in FY 1984 over FY 1983 is attributable to increased procurements of a wide variety of test equipment to replace overaged and unreliable equipment which is very costly to maintain and, in some cases, is no longer manufactured.

Personal Safety and Rescue Equipment - Provides chemical/biological defense protection equipment and night vision goggles life rafts/preservers and other safety and rescue equipment. The \$23.1 million increase in FY 1984 over FY 1983 is due primarily to an increase in procurement of night vision goggles for combat rescue, special operations forces and GLCM security requirements and chemical/biological defense equipment.

Depot Plant and Materials Handling Equipment - Includes mechanized material handling equipment for five Air Logistic Centers and various air bases; Air Terminal Mechanization equipment for one overseas and three CONUS air freight terminals; and other maintenance and repair shop equipment costing less than \$900,000 each. The net increase of \$8.8 million in FY 1984 over FY 1983 is due primarily to the addition of the Logistics Applications for Automated Marking and Reading symbols (LOGMARS) program. LOGMARS is the implementation of bar code marking and reading technology into the Air Force logistics system.

Electrical Equipment - Provides mobile electric generators, floodlights and other electrical items costing less than \$900,000 each. The generators provide primary and/or utility power to alert hangers, communications systems, radar systems, aircraft maintenance shops, control towers and runway lighting. Some of the generators are war readiness items. There is also a substantial increase in the procurement of flood lights, causing a net increase of \$3.2 million in FY 1984 over FY 1983.

Base Support Equipment - Provides local purchase investment equipment with a unit cost of \$3,000 or more and centrally procured equipment such as aircraft arresting barriers, cargo pallets, photographic equipment and spares and repair parts. The \$18.4 million over FY 1983 is primarily attributable to a new requirement, Air Base Survivability, a modest increase in Base Procured Equipment, an increase in the procurement of Aircraft Arresting Barriers and the procurement of mobile avionics intermediate ships for F-16, A-10, and F/EF-111 aircraft.

Special Support Projects - Includes intelligence equipment and systems, industrial preparedness, and equipment modifications. An increase of \$594.8 million for Selected Activities and an increase of \$460.3 million in the Special Update Program along with increases and decreases in various program lines account for the \$1,059.8 million increase over FY 1983.

1983 PROGRAM

COMPARISON OF REQUIREMENTS AS SHOWN
IN FY 1983 BUDGET WITH REQUIREMENT AS
SHOWN IN FY 1984 BUDGET

SUMMARY OF REQUIREMENTS

	(In Thousands of Dollars)		
	Program Requirements 1983 Budget	Program Requirements 1984 Budget	Increases (+) or Decreases (-)
Munitions and Associated Equipment	\$ 851,200	\$ 780,510	-70,690
Vehicular Equipment	350,400	346,876	-3,524
Electronics and Telecommunications Equipment	1,427,300	1,327,415	-99,885
Other Base Maintenance and Support Equipment	3,207,300	3,086,139	-121,161
Reimbursable Program	184,000	220,800	+36,800
Total	\$6,720,200	\$5,761,740	-258,460

EXPLANATION BY BUDGET ACTIVITY

1. Munitions and Associated Equipment (\$-70.7 million). Congress cut the President's FY 1983 Amended Budget by \$54.4 million: 30MM API (-3.8M), Cartridges Items Less than \$900,000 (-.6M), BSU-50 Inflatable Retarder (-.9M), BDU-33 Practice Bomb (-5.0M), CBU-90 (ACM) (-54.4M), CBU-87 (CEM) (+25.0M), M-206 Cart-ridge Flare (-10.8M), 9MM Handgun (-3.9M). A reduction of \$7.9M was made as a partial offset for the Congressional general reduction in IR&D. \$5.4M was used to partially offset the October 1, 1982 pay raises and other costs. \$3.0M was used to partially offset the Congressional general reduction in Other Procurement.

2. Vehicular Equipment (\$-3.5 million). Congress cut the President's FY 1983 Amended Budget by \$2.9 million: 5T Cargo Truck (-1.6M), 25K A/C Loader (-1.3M). A reduction of \$.6 million was made as a partial offset for the Congressional general reduction in Other Procurement.

3. Electronics and Telecommunications Equipment (\$-99.9 million). Congress cut the President's FY 1983 Amended Budget by \$89.1 million: TAC SIGINT Support (-2.0M), Distant Early Warning Radar (-31.2M), Transport Ground Intercept Facility (-16.4M), Air Base Defense System (-1.4M), Range Improvement Equipment (-20.0M), Combat Supply System (-7.6M), SEEK TALK (-10.5M). A reduction of \$4.6M was made as a partial offset to finance the October 1, 1982 pay raises and other costs and \$6.2M was used to partially offset the Congressional general reduction in IR&D.

4. Other Base Maintenance and Support Equipment (\$-121.2 million). Congress cut the President's FY 1983 Amended Budget by \$118.0: Base Mechanization Equipment (-2.6M), Air Cargo Pallets (-2.8M), Productivity Enhancement (-2.8M), Wartime Host Nation Support (-4.3M), Intelligence Production Activity (-1.5M), Photo Processing/Interpretation System (-1.2M), Selected Activities (-102.8M). \$3.2M was used as a partial offset to the Congressional general reduction in Other Procurement.

5. Reimbursable Program (\$+36.8 million) The increase of \$36.8 million is due to a revised estimate of customer orders in FY 1983.

COMPARISON OF FY 1983 FINANCING AS REFLECTED
IN FY 1983 BUDGET WITH FY 1983 FINANCING AS
SHOWN IN FY 1984 BUDGET

(In Thousands of Dollars)			
	Financing Per FY 1983 Amended Budget	Financing Per FY 1984 Budget	Increase (+) or Decrease (-)
Program requirements	6,020,200	5,761,740	-258,460
Program requirements (Service Account).....	5,836,200	5,540,940	-295,260
Program requirements (Reimbursable).....	184,000	220,800	+36,800
Less:			
Anticipated Reimbursements	184,000	220,800	+ 36,800
Reappropriation		4,963	+ 4,963
Add:			
Transferred to other accounts		10,000	+10,000
Reduction pursuant to P.L. 97-377		17,800	+17,800
Appropriation.....	5,836,200	5,563,777	-272,423

EXPLANATION OF CHANGES IN FINANCING

The Fiscal Year 1983 program has decreased \$263,160 thousand since submission of the FY 1983 budget. Adjustments by category of financing are explained below:

1. Anticipated Reimbursements. The increase is due to a revised estimate of customer orders.
2. Reappropriation. The increase is due to a Congressionally directed transfer of \$4,963 thousand of unobligated balances for Combat Supply System.
3. Transferred to Other Accounts. The increase is due to OSD directed transfer (PBD 655) to finance military and civilian pay raises, higher variable housing allowance costs and White House Communications and the Studies, Analysis and Gaming Agency.
4. Reduction Pursuant to P.L. 97-377. The increase of \$17,800 thousand is a Congressionally directed reduction (-\$7,900 thousand in Munitions, -\$1,584 thousand in Vehicles, -\$6,237 thousand in Electronic and Telecommunications Equipment, and -\$2,079 thousand in Other Base Maintenance and Support Equipment).

1982 PROGRAM

COMPARISON OF REQUIREMENTS AS SHOWN
IN FY 1983 BUDGET WITH REQUIREMENT AS
SHOWN IN FY 1984 BUDGET

SUMMARY OF REQUIREMENT

	Program Requirements 1983 Budget	Program Requirements 1984 Budget	(In Thousands of Dollar Increases (+) or Decreases (-))
Munitions and Associated Equipment	\$ 1,081,003	\$ 1,061,979	-19,024
Vehicular Equipment	331,338	333,510	+2,172
Electronics and Telecommunications Equipment	1,105,335	1,091,392	-13,943
Other Base Maintenance and Support Equipment	2,889,227	2,894,289	+5,062
Reimbursable Program	231,000	226,270	-4,730
Total	\$5,637,903	\$5,607,440	-30,463

EXPLANATION BY BUDGET ACTIVITY

1. Munitions and Associated Equipment (\$-19.0 million). \$3.0 million was transferred on a DD 1415 to Electronics and Telecommunications and \$16.0 million was transferred to Other Base Maintenance and Support Equipment.
2. Vehicular Equipment (\$+2.2 million). As a result of Congressionally directed source changes on DD 1415 FY 82-26N \$2.2 million was added back to Vehicular Equipment.
3. Electronics and Telecommunications Equipment (\$-13.9 million). Congress transferred \$5.0 million from FY 1982 to finance the FY 1983 program. Congressionally directed source changes on DD 1415 FY 82-26N reduced this activity by \$4.8 million. \$3.0 million was transferred from Munitions and Associated Equipment on a DD 1415. \$7.1 million was transferred to Other Base Maintenance and Support Equipment.

4. Other Base Maintenance and Support Equipment (\$+5.1 million). \$16.0 million was transferred from Munitions and Associated Equipment. Congress reduced the FY 1982 Supplemental Budget Request by \$20.7 million. \$2.7 million was added back to this activity as a result of Congressionally directed source changes on DD 1415 FY 82-26N. \$7.1 million was transferred to this activity from Electronics and Telecommunications Equipments.

5. Reimbursable Program (\$-30,463 million). The decrease of \$30.5 million is due to receipt of actual customer orders in FY 1982.

Comparison of FY 1982 Financing as Reflected
In FY 1983 Budget with FY 1982 Financing as
Shown in FY 1983 Budget

	(In Thousands of Dollars)		
	Financing Per FY 1983 Budget	Financing Per FY 1984 Budget	Increase (+) or Decrease (-)
Program Requirement	5,637,903 <u>a/</u>	5,607,440	-30,463
Program Requirement (Service Account)	5,406,903	5,381,170	- 25,733
Program Requirements (Reimbursable)	231,000	226,270	- 4,730
Less:			
Anticipated Reimbursements	231,000	226,270	- 4,730
Reappropriation	800	800	-
Add:			
Unobligated Balance available to finance subsequent year budget plans	-	4,963	+ 4,963
Appropriation	5,406,103 <u>a/</u>	5,385,333	-20,770

a/ Includes proposed supplemental of \$40,470 thousand.

EXPLANATION OF CHANGES IN FINANCING

The Fiscal Year 1982 program has decreased \$30,463 thousand since submission of the FY 1983 budget. Adjustments by category are explained below:

1. Anticipated Reimbursements. The decrease of \$4,730 thousand is due to receipt of fewer customer orders than anticipated.
2. Unobligated Balance to Finance Subsequent Year Budget Plans. The increase of \$4,963 thousand is a financing adjustment per Congressional direction as specified in P.L. 97-377.
3. Appropriation. The decrease of \$20,770 thousand is the result of partial Congressional denial of the proposed supplemental of \$40,500 thousand for Selected Activities.

DATE
LME